

# POIWG - ESA Status

Roland Luettgens

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**New Ops**  
***Under RS resources***  
***Under RS/NASA resources***



# Inc 49/50 Cargo Overview

Payload	Launch vehicle	Mass (kg)	Return vehicle	Mass (kg)
AQUAMEMBRANE 2	HTV-6	2,15	48S (tbc)	2,15
CDL Holter upload	HTV-6	0,6		
DOSIS 3D	49S	0,82	47S	0,82
EDOS-2	48S	TBD	47S	TBD
EML Batch 1			SpX-11 (tbc)	18,4
EML SCE +				
EML Batch 2	SpX-10 (tbc)			
	SpX-11 (tbc)	1,24		
		18,4		
ENERGY	OA-7	6,8	SpX-10	0,56
GRASP	OA-7	5,35		
GRIP	SpX-10	139,0		
IMMUNO-2	48S	TBD	47S	TBD
MINI-ECCO	48S	TBD	47S	TBD
MSL Batch 2b			SpX-10 (tbc)	TBD
Plasma Kristall-4	66P	TBD	47S (tbc)	
			48S (tbc)	1,7
				1,7
SARCOLAB-3	49S			
	SpX-11 (tbc)	2,5		
		0,32		
SEEDLING GROWTH-3	SpX-11 (tbc)	45,9	SpX-11 (tbc)	45,9
SKINSUIT	SpX-10	2,4		
SODI DCMIX-3			SpX-10 (tbc)	1,07
SPACE HEADACHES	48S			
	49S	0,03		
		0,06		
Pesquet Mission CNES				
AQUAPAD	HTV-6	1,56		
ECHO	OA-7 (tbc)	13,0		
EVERYWEAR	HTV-6	1,0		
FLUIDICS	OA-7 (tbc)	13,0		
MATISS	HTV-6	0,65		
PERSPECTIVES	OA-7 (tbc)	3,0		
360 CAMERA	49S	0,45		

## Total Cargo Mass

Upload	259kg
Download	72kg

# ESA Utilisation Stage Priorities - Reserve

<i>Inc 49-3 Stage</i>	<i>Inc 49-6 Stage</i>	<i>Inc 50-3 Stage</i>	<i>Inc 50-6 Stage</i>
<ol style="list-style-type: none"> <li>1. SUPVIS-E session#3 (*)</li> <li>2. Haptics-1 (extra subject) (*)</li> <li>3. Haptics-2/Interact</li> <li>4. Space Headaches</li> <li>5. MagVector</li> <li>6. Skin-B (extra session)</li> <li>7. Dosis-3D</li> </ol>	<ol style="list-style-type: none"> <li>1. SUPVIS-E session#3</li> <li>2. Haptics-1 (extra subject) (*)</li> <li>3. Haptics-2/Interact</li> <li>4. Space Headaches (extra subject)</li> <li>5. MagVector</li> <li>6. Dosis-3D</li> </ol>	<ol style="list-style-type: none"> <li>1. SUPVIS-E session#3 (*)</li> <li>2. Haptics-2/Interact</li> <li>3. Space Headaches</li> <li>4. MagVector</li> <li>5. Dosis-3D</li> </ol>	<ol style="list-style-type: none"> <li>1. GRIP commissioning</li> <li>2. Skin-B (extra subject)</li> <li>3. Space Headaches (extra subjects)</li> <li>4. CNES Echo (extra session)</li> <li>5. CNES Aquapad (extra session)</li> <li>6. EPO Pesquet</li> <li>7. SkinSuit</li> <li>8. SUPVIS-E session#3</li> <li>9. Haptics-1 (extra subject)</li> <li>10. Haptics-2/Interact</li> <li>11. MagVector</li> <li>12. Dosis-3D</li> </ol>

# ESA Utilisation Stage Priorities - Prime

<i>Inc 49-50 Stage</i>	<i>Inc 49-6 Stage</i>	<i>Inc 50-3 Stage</i>	<i>Inc 50-6 Stage</i>
1. ENERGY + control (*)	1. ENERGY+ control (*)	1. EML Batch 1 (NASA allocation) (**)	1. Seedling Growth #3
2. SODI-DCMIX#3 (NASA+ESA allocation) (*)	2. Dosis-3D	2. PK-4 (Russian allocation) (*)	2. Energy + control
3. EML Batch 1 (NASA allocation) (**)	3. SODI-DCMIX#3 (NASA+ESA allocation) (*)	3. MSL Batch 2b (NASA allocation) (**)	3. Sarcolab-3
4. PK-4 (Russian allocation) (*)	4. EML Batch 1 (NASA allocation) (**)	4. Aquamembrane (**)	4. DOSIS-3D
5. MSL Batch 2b (NASA allocation)	5. PK-4 (Russian allocation) (*)		5. EML Batch 1 (NASA allocation)
6. Circadian Rhythms	6. MSL Batch 2b (NASA allocation) (**)		6. EML Batch 2 (NASA allocation)
	7. Circadian Rhythms		7. CNES Everywear
	8. Skin-B		8. CNES Echo
	9. Aquamembrane (**)		9. CNES MATISS
	10. Mini-ECCO/PCM		10. CNES Aquapad
	11. Immuno-2/E dos-2 MELFI insertions		11. PK-4 (Russian allocation)
			12. CNES Fluidics
			13. MSL Batch 2b (NASA allocation)
			14. EPO Pesquet
			15. SkinSuit
			16. Aquamembrane (*)
			17. ESA active dosimeters EUCPAD
			18. Immuno-2/E dos-2 MELFI insertions

- The P/L with an asterisk (\*) can occur in different stages and are therefore mentioned more than once although performed only once
- The P/L with double asterisks (\*\*) are recoverable payloads
- Flight independent investigations have black font
- Flight dependent investigations have colored font: SpX-9, HTV-6, SpX-10, OA-7